FPCL
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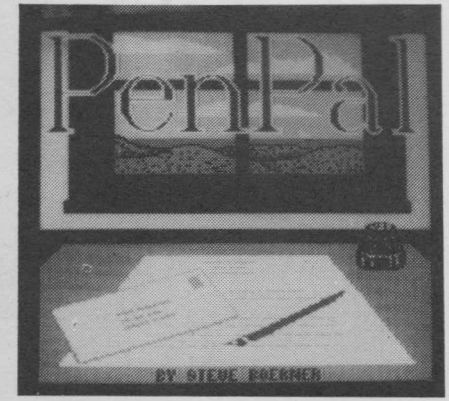
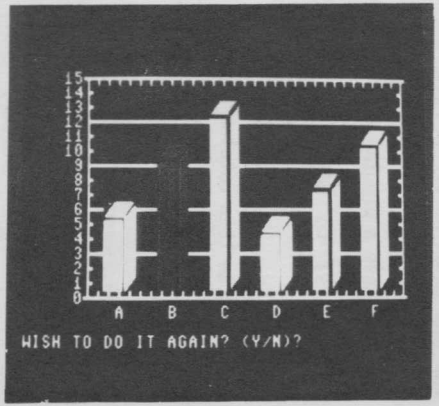
Software for Commodore





PUBLIC DOMAIN SOFTWARE

Public Domain Software is software (programs) which are available to everyone. They are, in effect, publicly owned. Some were once copyrighted commercial programs that for one reason or another were placed in Public Domain by the authors. Many are user written and were never copyrighted. The term Public Domain means that the work is without Copyright or Patent and is actually free to anyone. We do not charge for these programs. The price we charge is for the disk, compiling and copying services and distribution costs. The quality of most of these programs are equal to and sometimes better than what is on the retail market.

HOW TO USE THIS CATALOG

Disk collections are listed by Disk Number. Most disks contain Multiple Programs. Some disks contain as few as one program, while other disks contain up to eighty programs. This will vary according to the size of each program. When you purchase a single disk from us, you are getting an entire collection of programs, in which each program is costing you only a few cents. The number of programs on the disk has no effect on the price. If one of our disks has only a few programs, it is because the program(s) are too large to fit more on the same disk. We try to fill each disk to its capacity.

GUARANTEE

If you have a problem with any program, let us know. We will make every possible effort to help you. If you are not satisfied with your purchase, return the disk(s) to us within 30 days for an exchange, or a full refund of the purhcase price.

COMPATIBILITY

All disks is this catalog are compatible with the C64 and the C128 computers. Because the disks are formatted for the Commodore 64 owners of the 128 should boot up your computer in the C64 mode. These disks are not copy protected, so you can make back up copies.

DOCUMENTATION

Unless a program is quite simple and easy to understand (shooting at space ships) all programs include sufficient documentation on disk or within the program. There are exceptions on some of the better known games. For example, Poker, Cribbage, Yahtzee, etc., will assume that you already know the game rules. Your disks will be shipped with an instruction sheet explaining some of the basic operations of your computer and complete information on how to use our disks with your Commodore computer.

FREEWARE (SHAREWARE)

On some disks the author asks for a voluntary contribution. If you find the program(s) by that author to be worthwhile, please send the author the requested donation. This is an honor system and the author has no knowledge of your having the program(s). This method of distribution allows you to test software in your home, on your equipment, and then only pay a small fraction of the comparable retail price for programs which you like. We strongly encourage software users to support this method of distribution. The best way to buy software is to use it, then pay. Otherwise, you will find yourself paying high prices for programs which you might not be able to use. If the authors get contributions from satisfied users you will be amazed at the quality and quantity of software which will become available to you, at a nominal cost. But, you must support the concept.

PROGRAMMING AUTHORS

Some software developers do make money with "Freeware". Some do not. These are a few guide lines. First, your program must have value. For example, our IBM catalog is filled, page after page, with "Freeware" (also called Shareware) programs. The programs are significant, unique and comparable with (and in many cases beter than) commercial programs. Your program should be fully featured, including easy to understand complete documentation. Your program can be distributed as a final product, with no additional bonus or support being offered. Or, you can offer an extra benefit to registered users. For example, you might offer a printed manual. Or, another version of the program with even more bells and whistles. You might consider telephone support for registered users. You can describe new enhancements which are being developed and promise registered users "X" number of free updates or updates at a reduced price. You might even consider offering as a bonus another program which you have written. Keep the requested price low, but not too low. Asking for $5 is meaningless. Asking for $400 will scare potential customers. The best range is $10-$50. Concentrate on those who send the registration fee and offer these people as much benefit as possible. The advantage to the user is obvious. The advantage to the programmer is a minimal distribution cost. You don't have to pay advertising costs, nor do you have to split profits with publishers and retail outlets. A by product of having software distributed through the "Freeware" system is name recognition. If you have a good product, and you stay active with the product, you can achieve national recognition while making money. Authors are also encouraged to contribute public domain software to our library. Your contribution will help to enhance everybody's computer life. We will gladly send you a complimentary disk from our library.

CLUBS

We are willing to trade software. We are looking for programs created locally in your community. Clubs may send the "DOM" or a disk with only a couple of locally created programs on the disk. If we do not accept the disk it will be returned. If accepted, we will send you a disk of your choice from our library. This is a good way for you to increase your library without incurring an expense.

Our Prices

When you purchase a disk (any disk) in our collection, the price is $4.50. All disks are the same price, regardless of the number of programs on the disk. If a program requires more than one disk, please pay for each disk. We do not charge for programs. Our pricing is based on a disk copy fee.

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Quantity purchased:	Price per disk:
1 - 4	$4.50 each
5 - 9	$4.00 each
10 - 19	$3.50 each
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Copyrighted ? ?

Program authors will frequently start with a commercial program and switch to Freeware or Public Domain. Some authors start with Freeware and decide to go commercial. Some programs can be commercial with the copyright notice removed by somebody. It is very hard for us to be 100% certain. If any program is in this collection which the author does not want distributed as Freeware or Public Domain, please let us know. The program will be immediatly removed from our library.

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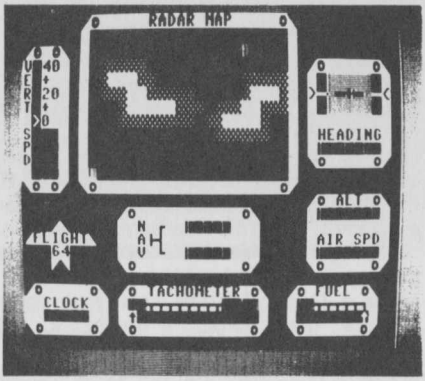
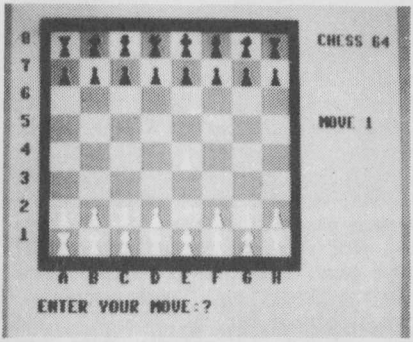
GAMES

The games on disks #5000, 5001, 5002, 5004 and 5005 are older games from the early days of Commodore. Some of them will be less sophisticated than the more recently written programs. Still, many of them are very good and worthy of adding to your software collection.



DISK #5000 SUPERTANK Shoot at targets using different kinds of tanks. LABYRINTH, a 3D maze game. In FLIGHT 64 (photo) you use a joystick and keyboard to take-off, fly across the mountains, land, take-off and return. Other programs on this same disk are: CHESS BOARD allows two players to play chess. FLIGHT SIMUL is instrumentation flying. MARKET CRASH is a stock market game. WAREHOUSE is a game controlling inventory, shipping and receiving (almost like work), and making money. CONCENTRATION is a memory game. REPEAT is a "Simon" type game. JUMBO JETLANDER will test your skills landing a Jumbo Jet 747. This is a game of skill. HANGMAN is a word game. SUPERLANDER.40 is more landing practice. SHARK BEACH... just when you thought it was safe to swim. SPADES.40 is a card game.



DISK #5001 BATTLESHIP fire guns & drop depth charges against enemy airplanes and subs. With PLANET PROBE you have 8 controls available for guiding your space ship. ROADRACE has 9 levels of play. POSTAL ROUTE has 11 levels of play. Plan your mail route without traveling the same street twice. The Photo is CHESS. This is a fun game of Chess against your computer. But, have mercy, you're computer is still a beginner. If you are also a new chess player, this game will be a challenge. Other games on this disk: ESCAPE; SPACE PILOT; IQ TEST; BUTCH & SLIM; YAHTZEE; MILLIE BOURNE; OLD SHELL GAME; DR. LIVINGSTON; GERMAN BOMBER; WUMPUS; BRAIN STRAIN; LETTER 15 and the game of PLASMOIDS should prove especially entertaining. This is a space shooting game (fast reflexes required).

DISK #5002 CUBE is a variation of "Rubik's Cube". In the game GUNNER you must decide the trajectory from wind and elevation. KALAH - the computer challenges your logic. DOMINOES: 3 levels of play against the computer. Bowl 10 frames with one to four players in the game of BOWLING. When playing ROCKETS you must successfully launch and guide five rockets. In PONG you must deflect the moving ball to strike 10 targets. BASEBALL 64 is a combination of text with some low-res graphics. More: 20 QUEST; ANDROID NIM; MAGIC SQUARE; MATCHES; TREK VENTURE; DRAW POKER; CONNECT FOUR; TORPEDO BOMBER; GUN FIGHTER; TIC-TAC-PRO; ROTATE; SNAKES; SPACE ATTACK.

DISK #5004 - AIRCRAFT LANDER uses a radar screen to land a plane. BOMBER RUN is a game of dropping bombs on an alien city. You have to almost make a hit each pass or you won't complete your mission. CAT & MOUSE is a maze game. CHAR-PACMAN is a munch munch game. GOLF is a (Text) game of golf. STOCK BROKER is a stock market game. Other games include: ARROW, FRUIT MACHINE, JOTTO, LANDER, TREK 64, TOMBS and CYCLON.

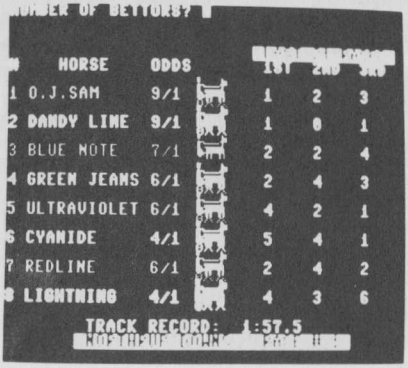
DISK #5005 This is a "Games of Logic" disk: OTHELLO will permit 1 to 2 players to play a strategy game. SOLITARE is a card game with good graphics. TOWER HANOI is one of those games which will keep you busy for many hours. Also: REVERSE, SEVEN GABLES, SLOT MACHINE and MASTERMIND 2 & 3.

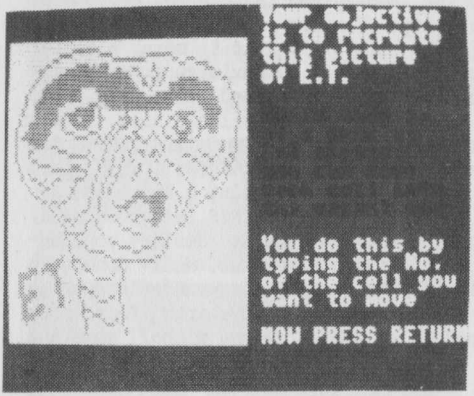
DISK #5028 - This an excellent collection of "Board" type games. The graphics on these games are also very good. MONOPOLY4 is just like the regular game of Monopoly, except that the banker doesn't cheat. In this game, all money and all real estate transactions are kept by your computer. Very well done. The entire game is menu driven. 1-4 players. IRON HORSE is a strategy game for 2 players. While building the first railroad from Chicago to San Francisco, amass a larger fortune than your opponent. VALLEY is a graphics oriented adventure game using a joystick. MINDBUSTERS is well named. 3 patterns are available from hard to extremely hard. Using a joystick, create a pattern which exactly matches the given pattern. You will be timed. Q&A64 is a trivia game. HRG is a High Risk Game. A strategy game for 2 or 3 players. Successful conquest of the world is dependent on your ability to defend your countries while conquering your opponents land. WORLD CONQUEST is a strategy game against the computer. FAME is a menu driven adventure game with graphics. This is a recommended disk collection.

DISK #5029 is an assortment of maze games. SLITHER DUEL is simular to "Tron". 0 to 3 players. If you don't feel like playing, the computer will play by itself. SLITHER 4 is one player using a joystick to guide a snake through the garden. Watch out for poison mushrooms. SLITHER 5 is simular to Slither 4, but with different graphics. SLITHER WAR is another snake game. SLITHER DUEL 3 is an upgraded version of Slither Duel. MOMMY SLITHER... Help Mommy Slither find her egg and return to her nest. RIKI TIKI Yes, another snake game. This time they're mutant snakes. NIGHTMARE PARK is a maze game with text & graphics. GRAND PRIX has 9 levels of difficulty. Keep your race car on the track. QUERK uses the J,K,I & M keys to move. Packman type game. PETMAN is a Packman game. RUN RIKI RUN is a maze game. DONKEY DONG is the traditional ladder climbing & jumping game. SWERVE uses a joystick to control a race car. SLITHER ON... Yes, more snakes. MAZE HUNTER is a maze type game. DUNGEON is another maze game using a joystick to pass through walls, avoiding goblins, evil spirits & ghouls. JOYSTICK TEST will check your joystick for accuracy. In DODGE CARS avoid the computer car while eating dots.

DISK #5030 is a shooting disk. One of the most interesting games is GHOUL DOGS. In this game, you are the "Pussy Cat". Move the cat around the screen, shooting at the targets on the outside borders. While this sounds easy, you have to avoid the dogs. If a dog bumps into you, a target is put back on the border. If you get good at this game, the dogs will become meaner. You can't shoot the dogs either. ALIEN CITY you must drop bombs from a jet bomber. MONSTER PANIC is an arcade type game. CREEPS is an invasion game with sound, music, shooting and lots of creepy things. ARTILLERY is for 2 players. Set shooting angle & powder charge. Watch the wind factor. CUPID'S REVENGE is a cute game. Use a bow & arrow to shoot invading hearts. STARSCANNER is a space shooting game. CENTRIPOD is very much like Centipede. Good game. INVADERS is a classical invasion game. SHOOTOUT is a shooting game for 2 players. THE ZONE is a popular game which combines invaders with Galacians. This game loads by typing: LOAD "ZONEBOOT",8,1

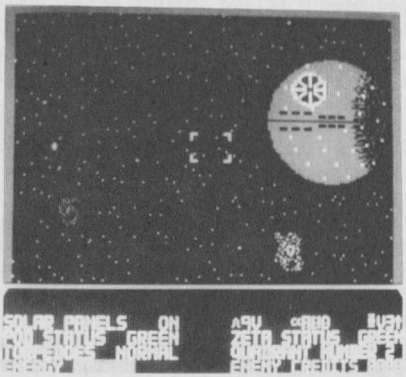
DISK #5031 is a gambling oriented disk, plus an assortment of misc. games. NORTHRUP DOWNS is a well done horse race. The program keeps a track record, and the odds will change after each race. A complete background is presented on each horse. The photo is screen one of Northrup Downs. Screen 2 is the actual horse race with excellent graphics. CRIBBAGE is a card game. HORSE RACING is another horse race with different graphics. SPADES is a card game. MONTANA is also a card game. WHEEL FORTUNE is a betting game for 1 to 4 players. BLACKJACK is also on this disk. CAVES is a text adventure game. STOCK MARKET and STOCK2 are buy/sell finance games.





DISK #5032 If you enjoy puzzles and "mind games", this disk is a perfect choice. You will find on this disk: TOWERS OF BRAHMA, THIRTEEN PEGS, PEG SOLITAIRE, E PUZZLE, In ET PUZZLE (Photo) the computer will scramble ET. Your job is to put him back together. Other programs on this disk are: REVERSE, REPEAT, 3 OF A KIND, SHUFFLE, CONNECT four, OTHELLO, REVERSE2, MASTERMIND, SUPER MIND, THREEDOX. With the program CROSSWORD you input the words and the definitions. Your computer will create a crossword puzzle with your information. Set up to use 1525, MPS-801, 1526 and MPS-802 printers. It will also display on the screen and save to disk. RATS is a Labyrinth which will be as difficult as you wish.

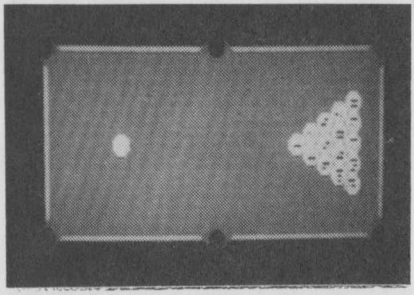
DISK #5033 is a crossword puzzle creation disk. These are the programs which can be loaded directly: CROSSWORD 7/ML.6, CROSSWORD 7.Z, CROSSWORD 7IN.Z (Instructions) and CROSS.PF.MAKER.Z. The last program will create or edit printer files for printing crossword puzzles using crossword 7/ML. All other files on this disk are loaded by these programs and cannot be loaded directly.



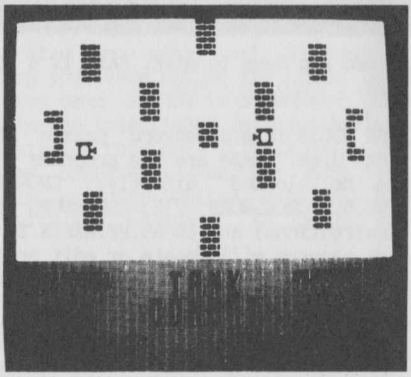
DISK #5034 is an excellent disk collection. All programs on this disk load through the main menu program "FREEWARE BOOT". The disk has seven games and one finance program. All are by the same author and are good. The three arcade games are ZETA-7 (photo above), SNAKE

continued next page...

(#5034 continued) and CREATOR'S REVENGE. The two strategy games (with good graphics) are TREK and GALACTIC CONQUEST. Two text adventure games are offered. They are BOUNTY HUNTER and GRAVE ROBBERS (they also have graphics). The final program on this disk (by the same author) is SAVINGS & LOAN.



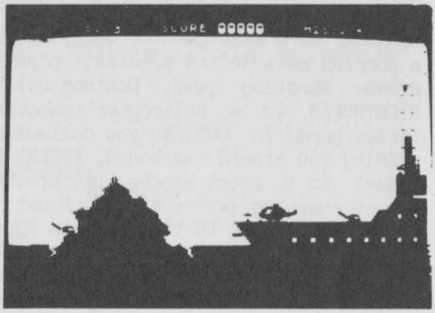
DISK #5035 The photo is POOL2, an outstanding game of pool. Realistic action on the balls. This menu driven game uses 4 keys to Spot the Cue ball, 2 keys are used to aim. Options: Full rack, Nine ball, Replay and Take back. The game does instant replays and will reset the balls if you want to try the same shot again (an ideal option when your opponent isn't watching). The game can be played by one or two players. Highly recommended. In the game LANDER launch a landing craft, cross the mountain and land. While this sounds easy, wait until you see where the landing pad is located. FOOTBAL 84 has 11 offensive plays and six defensive plays. You can customize your team strengths in this text game. CRAZY POPPER uses H & K keys to move. A better than usual "Pong" game. The objective of BABY CARE is to maximize your sanity while caring for baby. Your options include Diaper baby, Feed baby, Take a nap to restore your sanity, or do nothing to increase your available time. If all this sounds simple, don't forget that there is a baby involved. In FUNNY CAR you can drive a 1500 H.P. Funny Car. Takes quick reflexes. GRUNGY TOWERS2 is a crime solving mystery. HOUSE PAINTER requires that you paint a house and put your equipment into a shed within five minutes. STORM WARNINGS is an unusual game for two players. The objective is to use the weather to destroy your opponents house. PINBALL is a double electronic pinball machine. Well done. In the game MASH you must use your helicopter to pick up the wounded and bring them to "4077". BASEBALL is a game for two players using joysticks. Many play options & graphics. CHIPAWAY is a pong style game. A second pinball game and CAVES are also on this disk.



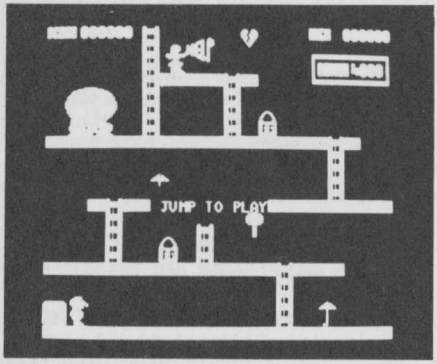
DISK #5036 PI HUNT uses a joystick to catch the pie thief. He's rather evasive. ELIZA is for those moments when you need a friend to talk with. EYE OF KADATH is a large text adventure. This adventure presents your options as multiple choice questions. PROVERBIAL is a collection of sayings, proverbs and definitions. At times funny. TANK COMBAT (Photo) is a game for two players. When the players get good this game can become a real challenge. DEFINITION is a word guessing game for two players. It has graphics. WET PAINT uses a joystick to paint your fellow painters into a corner. Tron style game. Excellent. The joystick will control your paint brush. You get 3 paint brushes to paint with. A photo would have been shown if we could have gotten the paint brushes to stand still long enough for a picture. TRIVIA is a large trivia game for 1 or 2 players. DILEMMA is a text adventure game. Also on this disk is THE GREAT FRED.

DISK #5037 is a special disk for Star Trek lovers. SUPERTREK, STAR TREK 84, STARTREK V1, GALACTIC EMPIR. Each game is different with its own rules, options and graphics. Only 4 games are on this disk because each Startrek game is so large. A disk for "Trekie" fans would never be complete without Trek music: STAR TREK, STAR TREK][and STAR TREK///.

DISK #5038 This disk is for text adventure lovers. AFRICAN ADV., STAR WARS ADV., ORIGINAL ADV., NELLAN'S ADV., ATLANTIS ADV., CASTLEMAZE ADV., TUNNELMAZE ADV. and VALLEYMAZE ADV.



DISK #5070 HAUNTED HILL is a shooting arcade game. Use a joystick to shoot ghosts in a cemetary. BLUE THUNDER (photo) is a very good helicopter flying game with several different graphic screens. Take off from an aircraft carrier and fly a rescue mission. Shoot at enemy targets while avoiding enemy fire. HIGH FLYER is a game which simulates owning and operating a European airline. Another game with music is SOLDIER OF FORTUNE. This is a ladder climbing game with several screens.



DISK #5071 One of the better games in our collection is NOT OF EARTH OR SEA. This is an arcade game with several screens and music. The music alone makes this game unusual. SUB-ATTACK is an at sea war simulation. Several navigation and battle commands are available. ROBBERS is a maze game. DOGFIGHT is a simple shooting game. SUPERKONG (photo left) is a good ladder climbing game. It is similar to the popular game of Kong. There is also a game of checkers on this disk. The computer can play a competitive game. SOLVE HANOI is a computer demonstration of how to solve the Tower of Hanoi puzzle. COMPU TAROT is by John J. Beslanwitch (Billings, MT). This program was designed to be an entertaining and an interesting way to look at things going on in your life. The program includes a good description of Tarot card reading, however it does not include graphics. ATOMIC HANDBALL is by Frank Lindsey. This is a "Pong" style game.

DISK #5072 is a recommended collection of programs. All of the games are professional with good graphics and sound. GHOST MANOR is by Jonathan Creighton. The object is to chase and kick a ghost while avoiding a large hand which will suddenly appear from behind various tombstones. KRAZY-KAR is a fun game. Rather than the ususal shoot em up game, this is more like a leisurly drive on the expressway. Just like real life on the expressway, you can acquire points by running other cars off the road. The game is by Kim and Paul McHerry. The game IRIDIS ALPHA is a hard and fast zapping game. The game SANXION is Stavros Fasoulas's version of the popular arcade game Saxon. Outstanding graphics and sound.

DISK #5073 ANNIHILATOR is by Mike Wacker. This is an arcade shooting game. Fly your ship through space trying to evade a variety of aliens. GALACTICA64 is a text strategy in space. GODZILLA64 by R. Lockwood is a text strategy game. BLACKBOX is a grid type game. AIR DEFENSE COMMAND by Scott Bowyer is a strategy game of a WWII bombing campaign. COMPUTER CRAPS! is an excellent game of casino craps. The graphics are good and the betting options are many. This is a large program for a dice game. It uses 68 blocks on the disk. Also on this disk: SLOT JOY, BINGO, WHEEL GAME (A computerized version of The Wheel of Fortune), GAMMON, JACKPOT, CRAPS, POKER 256.

DISK #5074 ATK.HOVERCRAFT and ATTACK FORCE are good arcade action games. MARBLEM is a maze game by Jerry Lavis. Use a joystick to find your way out of a complex maze in the shortest possible time. COMMDODORE COMMANDER is an arcade shooting game. Destroy all the Tie fighters and refuel at each base. RICHTHOFEN is a helicopter shooting game. CLOUDSTRIKE is a shooting arcade game. In GOTCHA you collect money while avoiding the monster which is chasing you around the board. FREEZE FACTORY is an interesting maze game. The object is to knock blocks into creatures. In SNOCAT you are a ranger with the job of rescuing skiers at the Mount Crumb ski lodge. You must make the treacherous climb to the mountain top to save them. O'RILEY'S MINE by Al Rubin is somewhat like the game DigDoug. APPLE64 lets you eat all the apples in the orchard, but you must avoid the various monsters. ALIEN ARMADA is a space invaders game. BLACKJACK is a simple version of the game with good graphics. HANGMAN by John & Paul Crawford will allow you to select words from the following: (1) Things to eat (2) Girl's names (3) Computer talk (4) Canadian places (5) Names of auto's.

DISK #5075 CENTRIPOD is an arcade game simular to Centripede. ACROBAT slides under objects, jumps over objects and does flips to go over multiple objects. BANNER will allow you to put a repeating message on the screen. The program does not have a printer option. BLUENOTE is an electronic pinball machine. SNIPER is just plain fun. Shoot at invading helicopters, jets, and paratroopers. Your play options include: Rapid fire or single shot, Normal or guided missles, A mobile or stationary base, and Vertical or angled fire. The graphics are good. CAVERN RUN by Howard Campbell uses a joystick to control the direction and speed of a helicopter. Avoid ground objects and try to stay away from a missle which is constantly on your tail. CHOPPER RESCUE by Howard Campbell has you on the front lines of a war zone. You are the pilot of a rescue helicopter and your mission is to rescue the pilots of downed planes. WORLD CONQUEST by Howard Campbell is a board game simulating a war game for world domination between two armies. LANDERS by Brian Byczynski & Jeff Hiris is a landing simulation. ASTROBLITZ is another very good arcade game. Fly through space, shooting at various aliens. You can guide your space ship using a radar screen to see what dangers are ahead. Good graphics. CARD SNAP is such a simple game that you almost become angry when the computer wins. GALAGA is very much like the popular commercial arcade game. GRIDDER is an excellent maze game. ASTROPANIC is a good graphic invasion arcade game. QUIX is a game which will keep you busy for hours. Try to avoid various sprites while coloring the entire screen a solid color.

DISK #5076 THERAPY64 allows you to have a long chat with Dr. ROM. This is a fun way to look at your problems. NEW TREK (Star Ship Battles) is the latest Star Trek game. Written by Don Curtis. WHEEL by Matt Murbach is a Wheel of Fortune game for 3 players. SPACE MOVIE is a sound and graphics demonstration that you will enjoy. It is very unusual. BIRD OF PREY is a flying bird, trying to capture rabbits. WAR RESUCE is a helicopter rescuing men on the ground. Many obstacles. SPEECH is a voice synthesizer demo. 2 MAN FOOTBALL is a text

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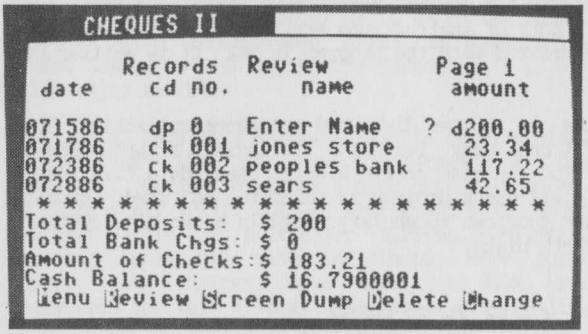
(#5076 continued) football game for two players. Many commands and options are available. BRIDGE BUDDY is a bridge game against the computer. SUPER CONNECT 4 is a strategy game for two players. Be the first to get four squares in a row.

DISK #5077 LANDGAME1 is a one or two player game. Try to develop more land than your opponent. The game is written by Craig Cringan. FIVE CARD STUD is exceptional!!! Play this poker game against Felix, Murray and Oscar. Excellent graphics. This program is a lot of fun. You play against three computer hands. Good luck because the other players are very good. HOT & COLD is a text adventure game in the desert and the Yukon. EUCHRE by H. Hasler is the card game with graphics. It is assumed that you know the game rules. CRIB is the traditional game of cribbage with good graphics. This game is also written by H. Hasler.

BUSINESS



DISK #5006 This disk contains 10 well written and useful business programs. CHEQUES II (Photo) is a good checking account program with a capacity of 500 transactions per file. Many options. INVENTORY controls 200 titles, files and comes with several options. VEHICLE RECORD keeps an expense record on 3 vehicles. Has six options available. ACCOUNTS RECEIVABLE and ACCOUNTS PAYABLE are two excellent programs for keeping track of your accounts. They will print a listing of your payables records, but they will not print an invoice. MORTGAGE amortizes a mortgage with interest, balance, total payments, etc. SUPER BUDGET has lots of record keeping options for controlling business or personal expenses. INVESTMENTS has 7 options available to calculate the value of an investment.

DISK #5007 DIRECTORY 64 is an excellent mailing list program. MEMORANDA allows you to keep a file for special occasions. The program reminds you about upcoming birthdays, anniversaries and appointments. AMORTIZATION will amortize a loan based on user input data. DEPRECIATION helps in depreciating capital equipment. HOMEFILE keeps records of home inventory. CMA PAYROLL keeps records on past and present employees. EXPENSE ACCOUNT will keep expense records in any form you designate.

DISK #5039 is a collection of several miscellaneous business programs. INTEREST will perform 8 different finance routines. LUMP SUM calculates the value of your investment over a period of years considering inflation, interest rates and reinvested income. YIELD calculates current yeild, yield to maturity, future & present value, interest, basis (market value) price. FICA TAX calculates FICA. INVOICER will print invoices. GRAPH PLOTTER creates bar charts. Six columns numbered 0-15. DISKALC is a very simple data base with 24,000 bytes memory available. FLEXY MORTGAGE calculates payment, amortization, payment comparison, amortization comparisons and calculates cost comparison. Print options included. BUSPRCASHROI is Price volumne, cash flow and ROI analysis. FILE MASTER is a filing system. Keep track of anything which

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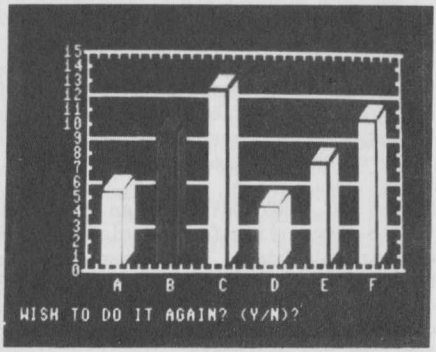
(#5039 continued) has data, such as monthly sales, stamp or coin collections, birthdays, phone numbers, etc. LOAN calculates loan amount, payments, number of payments, yearly interest rate, or balloon payment due. IREG CASH FLOW is an irregular cash flow analysis. INVESTMENT compares the value of an investment against the interest earned in a savings account. GROWTH CALC calculates compound annual growth. MORTGAGE NOTE and MORTGAGE SARNIA will do a lot of things and will include legal & realty fees and computes with or without taxes. CHECKBOOK is a complete electronic checkbook. PROPERTY EVAL is property cash flow evaluation. FINANCIAL CALC performs six financial calculations relating to investments.

DISK #5078 GRAPH PRINT will allow you to create and print bar graphs. MERRIMANAGER 3.2 is a data base system which will allow for 300 records with up to 10 fields each. Sort, print, etc. CHB is a complete Home Budget program for home or a small business. FINANCIAL RATIOS will calculate several ratios used in business. SALES.REC will maintain records of sales dollars and quantities for different products for several years. MOON DBASE is a fast menu operated data base program. Plenty of instructions are included. The maximum sized data file which can be created with the program is 24K. It is written by Don Messerli.

DISK #5079-1 & 5079-2 This is a two disk word processor collection. The program is SPEEDSCRIPT 3.2. It has many features, including a spreadsheet program called SPEEDCALC. You can also create a spell check data file using the program SPEEDCHECK. The spell check program is ready to be used, except that you will have to input your own vocabulary. This is a two disk system. When ordering, please order both disks.

CHARTS & GRAPHS

DISK #5009 BAR GRAPH (Photo right) allows you to create color bar graphs with a choice of 6 columns and 15 values. Print and Save options are not included. REGRESSION will process 75 data points. (Simple, Multiple, Nth Order, Geometrical, Exponential.) GRAPHMAKER is an excellent program for creating color graphs. Very easy to use. You can design the vertical scale with whatever numerical value, then create 2 to 36 vertical bars with titles.



ART

Disks #5008, 5040, 5041 and 5117 are art demonstration disks.

DISK #5008 Included on this disk are computer pictures of SQUEEZE, HOPALONG, TEX, GUY, MOUND2, EYES, SINCOS2, SATELLITE, FRIENDS (Photo), DONALD DUCK, VM THINGS, SESAME STREET, NUDE REV, VIS ROSETTE and more.

DISK #5040 Pictures: ENTERPRISE, TITLE, MARS, BIPLANE, SHIP, LANDSCAPE, AUTO, GIRL, EARTH DEMO, SNOOPY DEMO, LOGO, DISSOLVE, GRAPHICS, ETLANOCE, STARSAOK, ODEON, MOON, CFTR4 and THATSIT.

DISK #5041 Pictures: SPIRAL.1, SUE, KAREN, SNOOPY, ALBERT, DOLLAR, DIP, SNAIL, DES.1, 7-3HILL, MUSIC, MAP, DIANNE, WILLY, RACOON, SINCOST.

DISK #5117 This disk has some very interesting pictures. There are several pictures of Max Headroom (some animated) and even one of President Reagan posing as "Max". There is a cute picture of a skeleton jogging through a graveyard. Plus several more pictures you will enjoy. On this disk you will find: RON HEADROOM, NETWORK XXIII, PRESIDENT MAX, MONA WINK, BOB JOGS, COMMODORE LOGO, CIRCLES, KIRK/SPOCK, CAESER, MAX1, MAX2, CSLIDE SHOW V1.9 by D.A. Hook will allow you to view both normal and compressed Doodle and Koala painter pictures. Two popular music/art demonstration programs found on other disks have also been included on this disk to be certain that you have a chance to see them. They are SPACE MOVIE and TPUG DEMO. Space Movie starts out a little slow, but continue to watch the demo. This is a very well written program with considerable animation. TPUG is the Toronto Pet Users Group, a large Commodore club in Toronto Canada. This is a fun art & music demo you will enjoy watching.

DISK #5042 This is a Sprite & Graphic utility disk. The programs on this disk assume that the user already understands the concepts of graphic and sprite creation. The next disk has a good drawing program for beginners. The programs on this disk: SPRITE EDITOR, SPRITE MAKER is used to generate the data for either single or multicolor sprites. SPRITMAKER will allow you to update a sprite, display data values of window, move sprite into window, copy one sprite into another, save sprite to disk, erase selected sprite, revise a selected sprite, display data values of a sprite, load sprite from disk, expand or shrink sprite in x or y axis, turn window sideways or upside down, copy top window half horizontally & copy right window half verticaly. SPREDIT is a simple editor. SPED is another editor with still more options. CHAR EDITOR and CHARED are character editors. CHAR DISPLAY will display any character and count the dots required to make that character. 1525 CHAR EDIT is a character editor for the 1525. CHARAGEN PEEK displays all characters automatically, showing dot patterns. CHARACTER GEN is designed so you can make your own characters and then see what data to use. SPRITE DUMP works with Commodore printers 1515, 1525 or 1526. Other printers work if they emulate Commodore dot addressable graphics. May be used within a program as a subroutine. It will dump a sprite to your printer. BIG SET is a basic loader for the Optimizer double size character set. DUMP3, Load, view and print HIRES pictures. BIT WINDOW.REL will divide your screen into highres & text. CHARACTERS DEMO is a demonstration of C64 characters. VMTEST PLOTS, VMSUP2.REL are demonstrations of the VMSUP capability. GRAFIX RTNS are some graphics routines you can use in your own programs.

DISK #5043 SCREEN 40.3 allows you to draw on the screen using all colors, with cursor control and text and graphic characters. When you are finished this program will write a basic program that will redraw the low resolution screen. This program uses all of the keyboard characters in "screen mode" to create any kind of art your imagination can dream up. Also on this disk are some art demonstrations. MOMO is a picture of a girl singing. Also FDPIRATE(POLY), FDSGT.MAJOR, FDMIDDLE EARTH, FDPEN & CANDLE.

PRINT SHOP GRAPHICS

Disk #5084 is a collection of programs and pictures for Print Shop. You must already own the program Print Shop to use these programs. PSCONVER by Brain Heyboer (Clearwater, FL) converts graphics between Print Shop Side A, Print Master Art Gallery and Data Disks, and Newsroom Photo Disks. PRINT SHOP GRAPHICS LABEL MAKER also by Brian Heyboer prints standard one inch mailing labels using side B (two block) Print Shop Graphics and text of your choice. The program is set up for the C1525, MPS-801, MPS-803, or other compatible printers. PRINT SHOP GRAPHICS LABEL MAKER V2.0 is also compatible with Print Shop Companion and will print on the Epson or compatible printer. This disk also includes the following PRINT SHOP GRAPHICS: SCROLL, R/STAMP, EYES, BULLDOZER, BACKHOE, TOAD, SYNTH, STOP SIGN, SPURS, SLATE, SIGN, MOUSE, LUV, FLAPPER. DRUMS, CLOWN AND BALLOON.

DOODLE GRAPHICS

DISK #5085 You must already own the program Doodle to use the pictures on this disk. DDBELLA DONNA, DDUHURA, DDIRISH SPRING, DDPAGODA, ZIGGY/VAL, SWISS, PARROT, WARRIOR, DESERT, POLAR BEAR, THOR, FLOWER, KINETIC.

DISK #5086 is a Doodle graphics disk. You must already own the program Doodle to use these pictures. DDBEAR1, DDBING, DDHAPPY BIRTHDAY, DDWORKING, DDIBM, DDCHARLIE, DDMOM, DDANNTIE, DOODLE TO P.SHOP will allow you to convert from Doodle to Print Shop.

MUSIC

If you have never heard Commodore Music you will be pleasantly surprised when you receive these disks. Your computer has everything built-in. Any C64 or C128 can run these programs.

DISK #5010 is a song collection. BRANDENBURG, RAINBOW, ENTERTAINER, BACH PRELUDE, BACH INVENT #8, MUSIC BOX DANCER, MORNING BROKEN.

DISK #5011 Included on this fun disk is a music lesson, programs which will allow you to play the piano or organ on the computer keyboard, several music related routines and sound effects. PIANO (Photo), ORGAN, SOUND SCULPTOR, TONE GENERATOR, 12 TONE SQUARES, SOUNDSHAPER, THE KANNON, MUSIC MASTER, MUSIC LESSON, SOUND EFFECTS and TUNE TO PITCH.

DISK #5012 Music: EYE TIGER, ET, RAIDERS, CARS, GHOST BUSTERS, THRILLER, AFRICA amd MAYBE I'M AMAZED.

DISK #5044 NAME THE NOTES (Teaches lines & spaces), UKULELE is a demo and test on finger positions (includes graphics), HARMONIZER menu options (1) Input notes of song (2) Read song from disk (3) Write song to disk, (4) Note correction (5) Change wave form during song input (6) Add notes to song (7) Play or replay song. RAM-BOW is fun with the song Over The Rainbow. Sounds on this disk are: SHUFFLE and DEALING CARDS. They can be used in your own programming. Songs: DIXIE, MAX'S HAMMER, SINFONIA, ROSE, WATKIN'S ALE, CANARY JIG, CAT, GOOSE, HEN, ARIA, YAKKITY SAX, DAPHNE, GAVOTTE, MUSETTE, MINUET, PRELUDE #1, CULTURE CLUB (CHAMELEON), AMERICAN, TREK THEME. TUTOR-MUSIC is a tutorial on Commodore 4 Voice. SYNTH SOUND will turn your keyboard into a Piano, Banjo, Xylopone or Woodwind.

DISK #5045 Songs on this disk are: STAIRWAY TO HEAVEN, HAPPY NEW YEAR, TOCCATA and FUGUE, JESU, THE THUNDERER, MINUTE WALTZ, THOSE WERE THE DAYS, MASH, SATISFACTION, TPUG MUSIC & ART DEMO.

DISK #5046 is a Christmas Music Disk. XMAS CARD, NOEL, WINTER SCENE (Art demo), CHRISTMAS, JINGLE BELL ROCK, SILVER BELLS, TWELVE DAYS, SLEIGH RIDE, LET IT SNOW, ALL YE FAITHFUL, HALLELUJAH, FROSTY, DECK THE HALLS, LUIAH CHORUS, LITTLE TOWN OF, CHRISTMAS TREE, OH HOLY NIGHT, SILENT NIGHT.

DISK #5087 Music on this disk: MAGNUM THEME, ROCKY THEME, SWINTH (A musical presentation with graphics.), MOON RIVER, KANON/PACHEBEL, C MINOR PRELDE, SWAN SONG, AXEL F.

DISK #5088 Music: AVE MARIA, CANON, CONCERTO, DU WAHRER, FLUER ELISE, LOVE DUET, MINUET IN G, PRELUDE G, PRELUDE 2, RONDO, SONATA, TAPPSTER, THEME AN VAR, TOCATTA, INVENTION, SHENANDOAH.

DISK #5089 Music: HOBSON ST., BIRDBRAIN, ROOT BEER, AMER.BEAUTY, ALASKAN RAG, LITTLEROCK, PALM LEAF, ST. LOUIS, ROSEBUD, HAWAII 5-0, NEVER/STORY, YOU ARE, SONG IS YOU, FALLING INLVE, AQUARIUS, THEME/LAURA, WAY WE WERE, LAURA, MIAMI VICE, MASH, FIDDLER/ROOF, IMPOS DREAM, FUN FUN FUN, SURFER GIRL, BIRTHDAYBABY, WINCHESTER, SOLDIER, WONDER, BOYFRENDBAK, CHERISH, DREAM, 16 CANDLES, LET IT BE, WHEN IM 64, JOHNNY, SURFIN, PLATTERS, CALIF GIRLS, BECAUSE.

DISK #5090 Music: LONGEST, SCALLATTI, ENOLA, BYEBYE, EGGS, SPLASH, SCIPIO, CAFE, PEANUTS, KOTO, HOMECOM, OSPREY, CANTINA, CINNDIRRE, SHEWORKS, AXELF, ZORRO, PASTORAL, FEAST, ALBUMLEAF, ETAL, CALLIOPE, CANON, FSONATINA, SOILDER, TIS OF THEE.

MISCELLANEOUS PROGRAMS

DISK #5065 Take your choice between two LUSCHER programs. They are very large. One version is 250 blocks and the other is 340 blocks. The princ ple of the Luscher Color Test is that accurate psychological information can be gained about a person through choices and rejections of colors. This disk offers two versions of this color test. COPS BASE DISK is a record keeping program for keeping track of an entire police force. Written in basic, the program can be changed to apply to any large organization. LIBRARY INDEX allows you to sort your software library titles by category. It will help you find a program when all you remember is the application. DAY OF WEEK will tell you the day of the week for any date. CALENDER will generate a calender for any month, any year. DECISION MAKER will help you make those tough decisions.

DISK #5066 MAIL is designed to help you maintain your Christmas card mailing list, or any other mailing list. It will print labels. WEIGHT WATCHER helps you to keep track of your dieting progress. To use this program you must know how to list a program to change data statments. HOME BUDGET will allow you to keep track of your monthly bills. Includes a barchart and printer options. BETTER FILE is a filing system. Although the program includes instructions, it assumes that you understand the concept of using a filing system. STARS BAS PR.Z is a table of visible sky objects. It determines which ones are visible at a specific time and date. Shows compass bearing, altitude, name, magnitude, right ascension, declination. BIRTHDAY2 is a happy birthday message and cake for your favorite computer person. List the program to insert any name into the program. BIBLE CLUES is a bible quiz game for up to six players. VISIBLE 64 is a visual interpretation of the inside of your C64. SOFT ACCOUNT is a savings account check. LOTTERY is a complete lottery simulation. RECIPE SIZER enables the user to increase or decrease the number of servings in any given recipe. (Note: Hold Commodore key & press the Shift key to read the instructions). You can keep track of friends or business clients in ADDRESS BOOK. RECORDINGS will help you to keep track of your record albums. You can search by Category, Title, Composer, Performer, Conductor, Label, Catalog #, Shelf #. LIBRARY CARDS will keep records by Category, Title, Author, Subject, Publisher, Edition, ISBN, Dewey #. CHECKBOOK helps you to balance your checkbook against your bank statement. MAG INDEX allows you to store information relating to magazine articles in DATA statements. LIFE EXPECT calculates your life expenctancy using input data. REG'D SUPPLY will design a basic transformer. BIO-COMPAT shows compatibility percentages between two people. It will make a plot and print. CAR COST MILE calculates the actual costs of a car in costs per mile. This is a short routine. HEATING COST is a heat flow analysis. MONEY EXCHANGE converts any of 19 currencies into any of the other 18. Users must be able to understand a little Basic programming to change the data statements to update the currency value data. Also on this disk is TEMP CONVERT.

DISK #5067 GUN RELOADCOST shows the cost of reloading bullets or shells. BULLET DIST shows the range of different cartridges. CLUB MAIL LIST is a user friendly program which will work with a 1541 disk drive but requires 2 drives #8 and #9 to copy the data file. This is an index card operation, ideal for

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(#5067 continued) keeping track of a club mailing list. It can also be used for other mailing list purposes. ALPHASORT will sort lists into alphabetical order. Print option available. IDEAL MASS (Note: when inputing your height, furnish both feet and inches, even if inches is 0.... 6 feet 0 inches.) The program estimates ideal masses, obesity, body fat, body surface area and total body water. PRINT4/49 will print out a list of 100 random (6) numbers. CHRIST BLOODLINE is a bible quiz. PLANET PLOTTER shows the configuration of the planets on any 20th century date. BIBLE CLUES tests your knowledge of people & places in the bible. DRINK & DRIVE will calculate your blood alcohol content and more. MULTI LABELS will print any quantity of labels you specify. Set up for 1525 printer. ENCLOSURE helps you to design speaker cabinets. ELEC SERV CALC will tell you the conductor size, conduit sizes, the size of the main disconnect and the number of receptacles required in a house of a given size with various appliance loads. C64 BOOK SORT will help you to organize and keep track of any number or type of books. Printer options included. LABEL MAKER will enable you to print disk labels on your Gemini 10x/15. Other printers if you change the printer codes. PATTERNS is a graphic oriented tutorial on the constellations.

DISK #5068 has five word processing programs. All are simple and easy to use. JR. AUTHOR was developed for elementary school children. The others are designed for adults. They are: WORD PROCESSOR, EASY EDIT, WORD WORKER and THE PRO.

DISK #5069 BOWLING LEDGER (1) Bank deposit (2) Write checks (3) Adjustments (4) Ledger entry (5) View ledger (6) View balance. This is a bookkeeping program for bowling leagues. PAPERBOY (MPS-801, 802 printer set up) is a database program for a paper boy (girl). Options: (1) Add customer (2) Delete customer (3) Review customer (4) Save customers (5) Print customer (6) Sort customers (7) Collect (8) Help. It is written in basic if you wish to make changes. When the program asks for # expected customers be sure to input a high enough number. TENNIS STAT V1 will help you to organize and keep all the necessary records for a tennis league. BAL. CHECKBOOK will help you balance your check book against your bank statement. GOLF COURSE UPDATE & GOLF HANDICAP allow you to enter your golf scores, calculate your handicap and see assorted statistics. COURSE UPDATE is used to define the courses played. CONVERSIONS will allow you to convert from one measurement to another. Eight choices. Temperature, Distance, Weight, Liquid. After you run LAZY LETTERS, everything you type will be on its side or upside down. CALENDER will print any month/year in your choice of English or French. ADDRESS BOOK 2 is a revision of an earlier program found on disk #5066. MOVING SIGN will allow you to input a message and watch it displayed in big characters across the screen.

DISK #5091 CHESS CLOCK by Ron Davidson will allow you to record and time your chess moves. GUITAR TUNER will help you to tune your guitar. METRIC TO STANDARD will convert standard to metric. SUNRISE/SUNSET will output sunrise and sunset times in Greenwich mean time. TEMP CONVERSION will convert from Fahrenheit or Celcius. WORLD TIME will display the current time for most parts of the world and the entire U.S. The program MY FAVORITE RECIPES by Doris Mangotic will allow you to remember which cookbooks your favorite recipes are in. Some programming knowledge is required to input data statements. OHIO LOTTERY by Michael C. Walters will select numbers for the Ohio lottery. CALENDAR will allow you to make your own calendar headlines in large print. A second headline can be used in smaller print. LOTTERY PRINTER and LOTTERY will generate Lottery numbers. BIORHYTHM PRINT will plot biorhythems. SHOPPING LIST will allow you to create and print a shopping list. FORTUNE TELLER will give you

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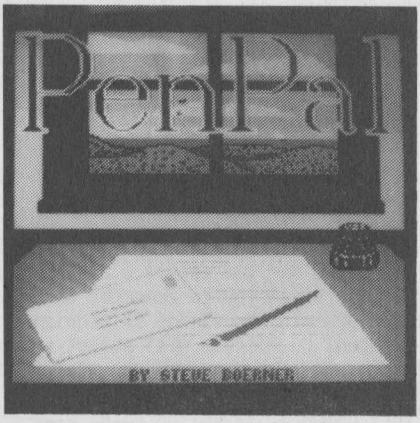
(#5091 continued) personality traits for the Zodiac. PAYCHECK VERIFY will enable you to verify the accuracy of your paycheck. AUTOMOBILE CALC will determine top speed, your RPM at different speeds, the gear ratios, tire diameters and engine compression ratio. BANNER PRINT will print a banner in large letters. CREDIT ANAL is a demonstration of how a credit or loan application is evaluated.

DISK #5092 MR. LABEL by David Turnbull will allow you to create and print graphic labels. Although the program is menu driven, it does not include documentation beyond the menu options. NEW CALENDAR will print a calendar leaving plenty of room for notes. FLEX-LAB by Robert Bedeski will allow you to create and maintain a file of labels. BANNER MAGIC by Chris Drummonds will print banners. ORDER FORM will create and print an order form you can use. PRINTER FUN will print 8 1/2 x 11 forms, cassette labels or 3x5 cards. BANNER has several printing options available. SPIKE'S LOTTO is a lottery simulation.

DISK #5093 DMANAGER is a dictionary manager (no files created at this time), DEPOSIT SLIP will allow you to create bank deposit slips, WEATHER PROPHET is a menu oriented program allowing you to input and keep track of weather trends. ELECTRONIC POSTMAN allows you to keep a name and address database with phone numbers and comments. The program will sort and print a file, create typed documents for printing. ADDRESS BOOK is by B. Behling. It will help you to maintain a listing of names and addresses. L.DIS/PHONE RATE will help you to calculate the cost of a long distance phone call. QUICK SCAN will create a sprite bar (a highlight bar) which will help you to proofread text. INFLATION CALCULATOR by Jeffrey Major (Jarrau, LA) will determine if your pay raise is keeping up with the rate of inflation. It will tell you how much of a raise you need just to break even. HORT and LSCAPE are two programs which can be used together to create a landscaping plan. The programs will allow you to select shrubs and trees according to growing conditions. A partial database has already been created, and the program is designed to allow you to input additional data. They were written by Walter M. Ring of Litchfield, MN. CALENDAR9.6 will allow you to make notes on a calendar such as birthdays, etc. then print a months calendar with the notations. VCR INDEX will allow you to keep track of your VCR tapes. BOWLING LEAGUE will enable you to keep track of an entire bowling league including team and player statistics.

DISK #5094 AD ONE will create computer messages for advertising display. The presentation of your message will be animated with changing screens and color. GEAR RATIO if you enter the speeds, the program will select pairs of sprockets and gears to produce the desired output speed. DAYSEARCH will give you the day of the week any date falls on. GOLF HANDICAP & COURSE UPDATE will help you to keep track of your golf games. PENPAL Version 2.1 is a large name and address data base program. The program is by Steve Boerner. 1520 CALENDAR will print a calendar any year in your choice of four colors (Printer with color capability is required). RESONANCE will calculate the resonant frequency for any inductor, capacitor



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(#5094 continued) combination. MIXTURES will allow you to find the amount of liquid that needs to be added to the first in order to obtain a specific proportion of dilution. PER WHAT V2.0 will extrapolate your input figure upward and/or downward as appropriate, depending on the time frame selected. OHM is an OHM's law calculator by Jim Mirus. WIND CHILL determines the wind chill factor. GROCERY LIST helps you prepare and print a grocery list.

MATH

DISK #5095 The programs on this disk are all math routines. They are not tutorials, nor are they designed to be educational. They perform math functions the computer way - very quickly. BASE, BASE CHANGE, BEST FIT/LEAST, CURVE FIT, HIST, POWER FACT, RESULTANT, ROOT FINDER, Z-SCORE, DENSITY, EDUTILITIES, FOURIER EXPLIC, FOURIER N/UNIF, LINEAR PROG, STATISTICS (Not a major stat. program.), BAIRSTOW NTH, TRIG FUNCTIONS, HEX DEMO, LIN PRO, SIMEQ SOLVER

COMMUNICATIONS

DISK #5048 FIRSTDIAL3 is based on the Punter system. Offers 13 different options. This program loads and runs FIRSTTERM3. MIGHTYDIALER 3 BT has some instructions for dialing (Load ,8,1). SECONDTERM BT.C (Load ,8,1) is a terminal program. MM XMODEM (Mitey Mo/Xmodem 2.5) is a terminal program with fourteen different options. HIGGYTERM 64 is another program for auto dial. MEGA VTERM 4.6 uses Punter protocol.

DISK #5049 has seven large terminal programs. SUPERCOMM IIA (Old and new Punter protocol) has 17 menu options. TRI-TERM is a Xmodem terminal program. MACTERM V2 uses Xmodem. POCKET uses Punter. Also RAVICSTERM 9.5, HEURISTERM & EAGLETERM 7.0

DISK #5050 DISKTERM 1650 uses old or new protocol. MICROTERM 1660 works with the new Punter. SC TERM][+ supports New Punter. HALTERM (Punter), XMODEMBUFF 6.81, SATERM, and RAINBOW are also on this disk.

DISK #5051 is a BBS disk. Programs are: 64 Exchange, Ribit BBS V2.1B, UBBS and EAGLETERM 7.0.

DISK #5052 is a BBS disk for Spence, Mitey Mo and HAL systems. This disk also has several utility programs: USER ADDER, MESSAGE EDITOR, SYSOP'S MAIL, USER EDITOR, SEQ CREATOR, BBS STARTUP and PRG LIST EDITOR.

DISK #5053 has SECONDTERM3.0 which includes Firstdial5 and Phone Book. 6485 V3.3 and TERM 24K UD are also on this disk.

DISK #5054 PHONEPOLE(Modem) is the game of Monopoly which can be played by two players and two computers, using a modem. The game is played exactly the same as the regular board game, with graphics. Instructions are available by loading POLE BOOT.C,8,1. The terminal program KARKTERM V2 is Punter protocol by DARKSTAR. XMOBUF 7.4, INTERMOD are also on this disk, plus a program (J/20 MORSE R/T) which will allow you to transmit & receive morse code with your computer.

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DISK #5096 On this disk: COMM TERM3+, FIRSTTERM3, NEW EXCHANGE, CBMTERM 4.5, MULTITERM Version 4.8 is a popular terminal program. This version corrects a couple of minor bugs found in an earlier version.

DISK #5097 Programs on this disk are: RIBIT TERM 7, COMM-TERM 7.1, LYNX V7.0, and SIMPLE TERM 2.3S and CCGMS TERM 4.0.

DISK UTILITIES

The programs on the next three disks will have many uses for new and experience computer owners.

DISK #5055 AUTOBOOT is a menu program you can use for your own disks. DISKMASTER is a menu driven program which will help you keep track of your disks. You can: List disk names & ID's, Display a selected directory, Find a specified file, Update the master directory, Delete disk entry from master, List MIN & MAX free blocks per disk, List all ID's in use, Print full useage chart. Input is automatically loaded by the program. All you do is insert your disks one at a time and the program will create a master directory. DISKCAT allows you to create and maintain a library of your disk programs. UNSCRATCH MAN/AUTO is a program for scratching files. Some copy programs are: MULTICOPY, COPY/64, 1541 BACKUP, FCOPY V2.5, FILE COPY, SD COPY/ALL, DISK BACKUP, COPY ALL, and 2DRIVECOPY. C64DT is a routine which allows you to save disk to tape. DOS COMMANDS allows you to load & run programs, format a new disk, validate or condense a disk, rename a file on disk, scratch a file from disk and the printer section will allow you to print a directory or list a program. DISK FIDDLER will allow you to display blocks. BLOCK MOD is a block modification utility. INSTRUCTIONS is the documentation program for the following machine language programs: BASIC CAT LIST, FILE DIRECTORY, LIST CATALOG, LIST CAT SORT, LIST MEMORY, 1 DISK FILE COPY, PRINT CATALOG, PRINT CAT SORT, PRINT MEMORY, PRINT SEQ FILE, 2 DRIVE COPY. WILLIE'S WEDGE is a selection of 64 utilities. DISKVIEW3 is a menu driven block modification program. DIR SORT will put your directory into alphabetical order.

DISK #5056 MANAGER 64 is a disk directory utility. DISK JACKET Creates disk sleeves for your disks. Epson or Commodore printer. You do the cutting & folding. DISK UTILITY is a menu driven utility wedge program. 30 options. DA V3.0.WOW (LOAD DIR INST.C) is a directory assistance program with 85 blocks of instructions. This program has just about every disk directory option you can think of. DISK COMPARE will compare disks (2 drives required). DISK SEARCH will search a disk for a string and report its location. FILE COMPARE (2 drives required) will compare two files and report any differences. MAP will tell you the start & finish address of any program. PROMPT DELETE can be used for scratching files. DISK HOUSE is a disk housekeeping program. Format, rename file or disk, validate, backup a file, scratch a file, list a directory or print a directory. DISK DOCTOR enables you to modify any part of your disk.

DISK #5057 SUPER AID is a Super Utility Wedge. PROGRAM INFO tells you where any program loads from and to and the byte size. DIR LIST SORT will read each of your disks then (1) Print listing as entered, or sorted (2) Sort by disk ID (3) Sort by program name (4) Find any program or file (5) Save to & Read from disk. LOAD ADDRESS gives you the load address for any file. PRINTDIR is a utility program which will load & print any directory. DIRECTORY is a menu

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(#5057 continued) driven Directory Scrunch & Sort. Offers: Input/Output, View/Print, Edit directory, Header/ID Edit. TYPE SETTER allows you to change the type styles of your printer. GEMINI CHAR allows you to make your own character sets. TINY DIRECTORY prints a directory (reduced size). Some copy programs on this disk are: COPY SOME, SIN DISK COPY, COPY FILE, COPY FILES, UNICOPY, COCKROACH, FAST BACKUP and FAST FILE COPIER.

PROGRAMMING UTILITIES

These programs require some programming knowledge to use properly.

DISK #5058 COLR SEL TUTOR & COLR SELECTOR will help you to choose coordinating colors for your programs. CONSTRICTOR removes REM'S and compacts lines. EXPANDER expands basic programs. BASIC AID adds over 20 new commands to the C64 Basic. AUTOLINE PRINT will print consecutive lines of the same format at specified intervals or mass delete lines. XREF GEN generates a table of all variables and where they are used in a program. CODE WIZARD (LOAD CODE WIZARD.C,8,1 Then type: SYS 49152 : NEW (Also read CODE DOC.C). This program will display the ASCII & Screen codes for all characters. Will tell you the keycode number for each key. It will also allow you to move the * key around the keyboard and the screen and gives the color memory location value for wherever the * is at. COLOURS sets your function keys to change colors. Use SYS 49232 to activate. SYS 49257 to turn it off. VARIABLE LIST will list the variables used in a program. (Use SYS 40704). AUTO LINE NUM will give you automatic line numbering. Load & Run the program, then type SYS 49152 before programming. MEMDUMP828 will print out HEX & ASCII values of any memory block. MEMCOMPARE will compare 2 sections of memory. SPSCR will convert Speedscript files into runable programs. You can write files on Speedscript then merge them with your program. MLAPPEND allows you to merge machine language and basic. SUPERMON+64 will provide identical commands to those of the built in monitor of the C128. BASIC FUN is a non-serious look at basic commands. SUPERKEY allows you to use F1 and the first letter of a Basic command instead of typing the entire word. DISSAMBLER will dissasemble any part of memory or disk. COMPILER4.4 converts your basic programs into machine language. 64 MEM CHART shows C64 memory layout. B-MONITOR will assemble machine language by hand & disassemble to monitor or printer. DEC DUMP is a decimal dump of any program. DUMP is another decimal dump. DISSAMBLER is another disassembler. FORMAT rounds decimals to 3 places and lines up the decimal point. LISTER will list a program on your printer. LOCKDISK64 autoruns programs and won't allow breakout. MOVING SIGN will create and display messages horizontally across the screen. TOKENIZER converts sequential files into program files. CLOCK & ALARMCLOCK will put a clock in the upper right corner of your monitor. Other programs: LOCK UNLOCK, HEX DEC BIN, LEGIBILITY, LIST ASCII.

MISC. UTILITIES

Programming knowledge will be required for many of these programs.

DISK #5098 DBLITZ is a Blitz decompiler. REL FILE COPY will allow you to copy Relative files. YELLOW PAGES by Rick Morris is a directory utility which will allow you to rearrange your disk catalog listings. EASY DOS IT by Rich Davison is a file utility program allowing you to Scratch, Rename, Duplicate, Unscratch, Copy files, Format, Validate and Initialize. You can also (1) View a file (2) Print a file (3) Split a file (4) Combine files and (5) Convert to

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(5098 continued) and from ASCII. 3 LABEL PRNTER will allow you to print labels 3 across 4 rows each including title or one line 3 across for title only. INVCAT is a disk inventory and catalog program. FILE COPIER will allow you to copy single or multiple files. FORMAT/30 SEC will allow you to format a disk in 30 seconds. CHANGE DIRECTORY will allow you to customize a directory as you choose. Also: FIX NEWED DISK and GEM/CON SETUP are on this disk.

DISK #5099 BIGBAT will allow you to program your function keys. Some disk copy programs on this disk are: 2 DOOR FASTBACK, COPY-Q, OMNICLONE. The program CLEANER is great for anybody who does not yet have a disk drive cleaning program. Insert a cleaning disk and the program will activate your disk drive for whatever time period you designate. It is recommended that you clean your drive heads after 40 hours of use. Other files on this disk: NUDOSF, DISK EDITOR, DISK ADDR CHANGE, SUPER DIRECTORY, ADMACH, MMSYS32768, MMSYS49152, ADJUST COLOR, ZIPFORMAT, LABEL MASTER, DISK DIR LABEL, DISK LOGGER, DB SP LG PR ARAY, CRUNCH64 LOADER, CRUNCH64 REVISED, CKSUM SCAN & SORT, 21/26 FIND & SORT, MASTER DISK SORT, MLX 64 V2.02, METABASIC, SCN BOR CHR SEL, KNOCK STOPPER, READ ER. CHANNEL, PRINT FRE(0), SPOOLER, SEQ FILE READ.

DISK #5100 NUWEDGE is a complete DOS wedge program with many options. DISK LABELER+ will allow you to print disk labels in any of 12 formats. DOS 5.1 INSTRUCT will print to the screen or printer the most commonly used DOS commands. CHAINSAW is a machine language utility which will show any disk filing problems. LIBRARY 4.0 is a communications program designed to make downloading and uploading easier. The program will combine several related files into a single file for transmission. This version of Library works with PRG files. Version 3.2 is also on this disk. It will work with SEQ files.

DISK #5101 HARDCOPY will print out a copy of your disk menu in a format that allows you to mount it conveniently on the back side of the disk envelope. DOCTOR DIRECTORY written by Steve Granat will sort your directory entries in any order you choose. FILE PROTECTOR makes it easy to lock & unlock files. Also on this disk: UNSCRATCH.UTL, RENAME DISK/ID, SEQ READ, DIRECTORY PRINT, DISK DOCTOR V2, EXTRAMON, FILE COPIER, DUAL DISK AID, DISK EASE, DIRECTORY MASTER. The program DRIVE CHECKER will (1) LED Test (2) Write protect test (3) Stepper motor test (4) Motor speed test (5) Alignment test (6) Stop limit test (7) Read/write test (8) Alter system address. FUNC KEY OVERLAY will allow you to print an overlay sheet for the function keys. THE STYLER is for the Gemini 10X and 15X printers (1) Italics (2) Condensed (3) Double width (4) Emphasized (5) Underline (6) Superscript (7) N/72 spacing (8) N Margin set.

DISK #5102 TOKENIZER FINAL by Pete Hollyer (Houston, TX) can tokenize any sequential ASCII program up to 37,950 characters in length. DISK HOUSEKEEP options are: (1) Format (2) Rename disk (3) Validate (4) Rename file (5) Back up a file (6) Scratch (7) List directory (8) Print a directory. SCREEN MAKER by Howard Campbell will help you to create a title page. DAVIDS DIRECTORY DESIGNER will allow you to customize a disk directory. Other programs: GEMINI DIR, NON ALPHA DIR, NEW DISK ID, NEW DISK NAME, NEW 4 MINUTE, QUICK COPY, SCOPY, BACKUP 64, DISK PGM COPIER, COPY ALL, DUAL 1541 BACKUP, COPY, COPYDISC 2.0, SBACK 64, FILE COPIER, FILE CPY, UNI COPY, SLEEVE LISTER, WRITE DIR, QUICK COPY 2.0, CHANGE DISK NAME, DISK LABELS, MAIL LABELS, RENAME DISK+ID, 1541 DOS MANAGER.

DISK #5103 PATCH UTILITY will read, print, edit, compare the buffer. BOOTMAKER will create a boot program. CUSTOM LABELS will allow you to create graphics labels. FISHWARE UTILITY will allow you to load basic program, work with printer commands & disk commands. MASTER INDEX will print a disk directory in

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(#5103 continued) 2 alphabetized columns. SCRATCH UTILITY will allow you to scratch files as they are read from the directory. DISK JACKET prints on Epson and Commodore printers. REMLITER prints REM lines reversed and normally. 9 SEC FORMAT will format a disk in nine seconds. E-Z SEQ.READ will read a sequential file. Also: DISK RESTORE, WHAT'S THE FN KEY, DB CHEAPSHEET, DBL. DISK JACKET. Some subroutines you can use in your own programming: SLIDE PRINT, HYPER PRINT, LETTER-CRASH, DOODLES, BIG PRINT, COMMODORE LOGO, SLO PAGE, SORTER, ANY KEY, ZIPPER EFFECT, TITLE FRAME, RETURN TO CONT, CHIME SOUND, LAST XITHER, STAR WALKER, NOT A BELL, HYPERWARP, DECELERATION, THREE REASONS, BENT LASER, GNIR GNIGHT, MINOR THRILLER, THREE TOED WHEEL, SLIDING FOREST, RING THING, LOGO & TITLE, LOGO PAGE, SCROLLING AUTHOR, 64USERLOGO, BOX TITLE, BOXES, MARQUEE, MOVING SIGN, SMOOTH SCROOL.1, SCREEN PRINT, X/Y POSITION, 8192DUMP, SCROOL.

DISK #5104 DFC (Diskette File Copy) will load a disk directory into memory and let you look at it easily. You can scratch files, rename them, lock files and unlock them. DFC can also mark files that are on both the input and output diskettes. The program will copy all four types of files. Many features. The program will print out a users manual which is 37 pages. Other programs are not included on this disk because of the amount of space used by DFC. The program is by Layton Berry.

DISK #5105 EPS. GEM DSK LBL prints labels from 1 to 1000 on an Epson or Gemeni printer. FAST FORMAT will format a disk in 30 seconds. SCREEN MASTER will allow you to create a screen which can be converted to basic and filed as a sequential file. SM SLIDE SHOW will load and present Screen Master screens as a slide show. ML DATA MAKER converts a section of Machine Language Code to a Basic loader subroutine. DISK LOG is a disk inventory system. Several options are available. This program will process both program and data files. FFI is a disk inventory system which will process program files. EA EDIT/ASM PROG will allow you to edit assembly languages, pascal, etc.

EDUCATION

COMPUTER EDUCATION

DISK #5024 SIMULATION demonstrates how a computer follows simple programs. TURTLE 1 shows simple programming techniques. FEATURES QUIZ teaches about the C64. COMPUTER CLASSROOM is a C64 keyboard and key function tutorial. PILOT is a simple computer language for small children. POGO allows you to program a robot turtle to perform tasks. COMMANDS is a tutorial & quiz on simple Basic commands. COMPUTER CONCEPT teaches RAM/ROM variable memory storage, etc. Also on this disk is COMPUTER HISTORY.

DISK #5025 has two 64 Basic tutorials (which are ideal for beginners). A total of 12 tutorial files are on this disk. In addition to the Basic tutorials, there is one on the use of algorithms for sorting, the use of hexadecimals, sprite graphics, manipulation of strings, pokes peeks & screen memory, memory in DEC & HEX, and machine language. This disk offers programs for beginners and intermediate.

DISK #5026 GRAPHIC TUTOR 1 & 2 teaches C64 Graphic creation. HYPO ASSEMBLY simulates assembly language on a hypothetical computer. BINARY is decimal conversion (to 65536) to binary. BASE CONVERSION converts from any one base to any other base. HYPO II simulates a hypothetical machine language only computer. PETUNIA explains the use of the Petunia noise box.

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DISK #5059 C64/REV3 demonstrates the many things that the C64 can do (Commodore demo). MICROS 'N CHIPS 1-6 Address coding, bring on the chips, outside the micro, interfacing to the world, more on memory, the big picture, lookup. This is a six part tutorial. KEYBOARD explains the use of the keys on the C64 keyboard. TIPS has programming instructions on (1) Screen & print colors (2) Printing with TAB---;---;---SPC (3) Filling the screen (4) Flashing a name (5)Data lines (6) Other keywords. COLR SEL TUTOR will discuss the selection of colors for border, background, and characters. Shows how to select color combinations.

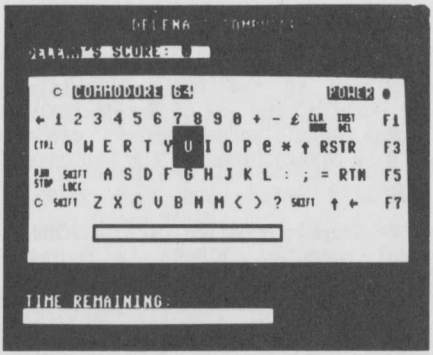
DISK #5060 QUIZ is an educational test to help you learn more about the care of your computer and your disks. PRES RS232 is a computer tutorial which will teach you about the many things you can do with the user port on your C64. BASIC KEYWORDS describes all of the Basic keywords. TUTOR MUSIC is a tutorial on the four voice music program.

DISK #5106 THE VERY FIRST 64 by Juan Holz is a tutorial on using your Commodore 64. The subject material includes The use of the keyboard, The print command, Variables, Loops, Load & Save. Another tutorial on this disk is BASIC INTRO. This is a good intruduction to the C64 computer. The program is designed for new owners. BASIC KEYWORDS explains the Basic commands.

PROGRAMS FOR TEACHERS

DISK #5107 LEXIKOS Version 8.5 is by Robert H. Croswell. The student is presented with 10 problems (Usually word definitions) selected at random from game files created by the teacher. The student is given a limited time to type a correctly spelled word that matches the on screen clues. Three clues are available for each problem. Points are lost for time delays and clue requests. The program will keep a roster of names and scores. Many more features and options. The program can be used for any question / answer session including spelling and math, or any subject matter where a short answer is acceptable. This is a full sized program, not just a routine. Also on this disk is a collection of the following programs: ATTENDANCE, GRADEBOOK, HOMEWORK, NAMES UTILITY, REPORTER and SPELL. The program TEACHERS PI/CAL (Programmed Instruction / Computer Assisted Learning) will make it easy for you to present written material, quizzes, tests, and programmed learning material to your students.

MISC. EDUCATION



DISK #5061 ORG CHEMISTRY modifies 65 keyboard characters to create an Organic Chemistry Character Set. About 128 more characters can be modified into different symbols. The changes are made by the software and your computer will return to normal when the program is exited. FLASHCARDS is a program which will allow you to create your own flashcard tests and save them on disk. MULTI CHOICE will allow you to create your own multiple choice tests. LIFE is a simulation of the birth, death and growth of cells in a

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(#5061 continued) closed environment. TYPE IT, TYPING PRACT, TYPY TOES (Photo previous page), will improve your typing skills. NUCLEAR DEMO explains how a nuclear power plant operates. FRENCH VERBS lets you practice with verb Conjugation. ORGANIC uses 3D diagrams and structural formulae to help you practice naming organic molecules. RUTHERFORD is the Alpha Particle Experiment. NOMENCLATURE is chemistry practice.

DISK #5112 TYPE TUTOR & TYPING DERBY will help you develop your typing skill. MUSIC TEACHER 64 will help you to learn lines & spaces. CONSTELLATIONS will display 42 constellations to the screen. SKYSCAPE includes information about the Sun, Moon & Planets. HALLEY'S COMET will plot the comets distance from the Sun & Earth on any date between 1946 and 2026. BASIC PHOTO will give you complete instructions for the use of a 35mm camera. STATES OF UNION will give information about various states.

DISK #5111 This is a religious disk. The Bible programs are by Steve Williams. This is a multiple choice educational quiz on (1) The temptation of Jesus (2) The cross of Jesus (3) Zaccheus (4) Rebuilding Jerusalem's walls (5) The Bible "Who am I game" (6) Noah and the ark game and (7) Paul's escape. The programs use graphics and sound.

DISK #5108 This is a French education disk. The programs on this disk are: DATES, FR. SENTENCES, FRENCH AID, FRENCH DRILL, FRENCH FWC, FRENCH QUIZ, FRENCH TEST, FRENCH VERBS, MELI MELO, SCHOOL MARM, SERIE.

DISK #5021 Geography Education: Canadian, U.S., World geography. Programs: AFRICA & ASIA, ANCHORAGE, CAN GEOG QUIZ, CANADA, CITY SMOG, CAP CITIES, CAPITALS, CLIM GRAPHS, GEO QUIZ, NORTH EAST, GEOG TEST and COUNTRIES.

DISK #5110 History: The programs on this disk are: ANCIENT HIST, ELECTION, FAMOUS PEOPLE, PRESIDN QUIZ and WORLD WARS.

DISK #5022 Science Education: This collection includes programs that will teach a student how to calculate velocity, locate stars, practice drill on Ohm's law, simulate the Brownian motion of a small particle, teach bouyancy, and a chemistry program.

DISK #5023 Business Education: All programs on this disk are well done teaching programs. ACCOUNTING, KEYBOARD TEST, LEMONADE, COMP TYPING, MARKET, COMMODITY, DATES, DEBIT & CREDIT, OBJECTIVE1.1, PORTFOLIO, SIMP. INTEREST and STOCK MARKET.

MATH EDUCATION

)ISK #5064 Most of the programs on this disk offer a variety of difficulty levels from single digit to multiple digit numbers. MULT QUIZ,MATH MAGIC, MATH ?UN, CHANGEMAKER, THE BUS BARNS, R2DIVISION, BIMATHALON, ADDING, QUIZ, MATH TUTOR and FACTORS.

)ISK #5113 The math programs on this disk range from easy math to a medium difficulty level. SUPER MATH, WHOLE NUMBERS, ADD FAST, COMBINE WAR, FACTS +&X, 'RACTIONS, INTEGER MATH, LONG DIVISION, MATH DRILL, MULT TABLE, MULTI DRILL, ULTIMAN, MATH MAGIC, ADD & SUB, INTEGER TICTAC, HOW LONG.

ISK #5114 The difficulty level of the math programs on this disk range from edium hard to hard. EQN MANIPULATE, EXPONENT MULT, FACTOR TRINOM, FACTOR HOLES, FACTORS, FUN MACHINE, MECHANICS, POWERS/ROOTS, STRAIGHT LINE, COL LIKE ERMS, HICALC, LINEAR SYSTEMS, MAT 250 MLA, TRIG RATIOS, PLANES.

DISK #5115 The difficulty level of the programs on this disk range from medium hard to hard. ALG. VECTORS, ALGEBRAIC VEC. BINOM MULT TUT, CENTRAL CONICS, CHOICES, FACTOR DECOMP, FACTOR RACE, FACTOR TRINOM, FACTORING DRILL, FACTOR WHOLES, FACTORS, FOIL INST., FOIL PRACTICE, LIKE TERMS TUT, LINEAR SYSTEMS, MARBLESTAT, MATRIX SOL, VECTORS.

PRESCHOOL EDUCATION

DISK #5062 This is a collection of educational programs and easy games for preschool children. Games: HANGMAN, AFO, SPACE NIM, ATARI2, 100 METER. MATH MAZE requires that the child travel through a maze. Simple math obstacles must be answered correctly to proceed. COUNT 1 TO 8 teaches the child to count from one to eight. Several different graphic images. JOYSTICK DRAW allows the child to draw pictures on the screen. ALPHADOT uses dots to teach spelling, math, drawing, shape recognition, numbers and the alphabet. In the game ANIMAL the computer asks the child questions and tries to guess what animal the child is thinking about. REPEAT is a "Simon" type game. CLOCK uses graphics to help the child tell time. ALPHABET, ALPHABETTER & ALPHABET WORM are alphabet programs.

DISK #5116 SMURF ALPHABET uses a Smurf to select a letter of the alphabet. COLOR SPELL will help children learn to spell colors. This is an entertaining program. A MAZIN MOUSE is intended to give the child practice in the points of the compass, and on the estimation of distance (on the screen). Some easy to play games: U BOAT, BOWLING, FROG! 64, PARATROOPER, EASTER MUSIC, PAC MASTER, JETS and AIRBATTLE. ALPHABET WARS is entertaining. As the correct letter of the alphabet is found, a computer voice will speak that letter.

JUVENILE EDUCATION

DISK #5018 A JOURNEY allows the student to write a story using adjectives, adverbs, etc. ALPHABET QUIZ has two parts. The first part is putting letters into alphabetical order. The second part is filing books in the proper order. PIANO is a keyboard piano music program. ADDING QUIZ and B.T.C. are math practice programs. BALANCE is a graphics game for learning metric weights. CAR RACE MULTIPLY is a (Multiplication) car race between two players. BOMB ADDITION and COORDINATES (Teaches X, Y axis) are also addition and subtraction games. FIRST AID is a quick course in what to do in an emergency. QUIZ MASTER allows the teacher or parent to custom design quizes.

DISK #5019 FINGER SPELL uses graphics to teach sign language. MUSIC LESSON is a tutorial which uses a moving android to teach lines and spaces. HOMO CONC is a remembering game. ALPHABETIZING and ALPHA are alphabet programs using words. Several math programs: SNOOPY , ADDITION RACE, BIG MATH, ARITHMETIC & ARTHMETIC 1, MATH, BASIC MATH, ADD TEACHER, ADD & SUBS, ADD DRILL, BIG SUBTRACT, ADDITION & ADDITION GAME.

DISK #5063 is an English oriented disk collection. GRAMMAR teaches the parts of speech. CONTRACTIONS has good graphics. COMMA SENSE is a complete tutorial on the use of the comma. JR. AUTHOR is a word processor designed to be used by elementary school pupils. SIMPLE SENT and COMPOUND SENT are tutorials with sound. CINQUIAN helps children learn to write poetry. A OR AN teaches the use of A and AN in a sentence. INIT DIGRAPHS matches SH, TH and CH to unfinished word sentences. Other programs teach ER, IR, UR, IE, EI, OU and OW.

DISK #5109 This disk is all English grammer. The programs are best suited for beginners. The files on this disk are: VERB FORMS (Eight files), WORD MEANS, P'BLEM P'NOUN, NEW TACHISTO, NOUNS, PARTS SPEECH, PETPITPATPOT and PLURALS.

FPCL

DISK# 5068

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DISK# 5106

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